Author Index to Volume 197

Achiba, Y., see S. Hino 197 (1992) 38
Amos, R.D., see N.C. Handy 197 (1992) 506
Andersen, J.N., see A. Nilsson 197 (1992) 12
Andrews, J.S., see N.C. Handy 197 (1992) 506
Apkarian, V.A., see J. Zoval 197 (1992) 549
Aprà, E., E. Stefanovich, R. Dovesi and C. Roetti, An ab initio Hartree–Fock study of silver chloride, Chem. Phys. Letters 186 (1991) 329. Erratum 197 (1992) 338
Ashjian, P., see J. Zoval 197 (1992) 549
Atems, D.E. and J.M. Wadehra, Vibrational excitation of H_2 and HCl by low-energy electron impact. An isotope scaling law 197 (1992) 525
Aubanel, E.E., A.D. Bandrauk and P. Rancourt, Pulse-shape effects and laser-induced avoided crossings in photodissociation 197 (1992) 419
Ault, B.S., see J.D. Carpenter 197 (1992) 171

Baesso, M.L., J. Shen and R.D. Snook, Time-resolved thermal lens measurement of thermal diffusivity of soda–lime glass 197 (1992) 255
Bakowies, D., A. Gelessus and W. Thiel, Quantum-chemical study of C_{78} fullerene isomers 197 (1992) 324
Balasubramanian, K., NMR and ESR predictions for the tetravalent C_{28} fullerene 197 (1992) 55
Bandrauk, A.D., see E.E. Aubanel 197 (1992) 419
Bauschlicher Jr., C.W., M. Sodupe, H. Partridge and S.R. Langhoff, Theoretical study of the $^2A_2$–$^2B_2$ separation of the alkali superoxides 197 (1992) 213
Bennett, A.E., see J.H. Ok 197 (1992) 389
Berggren, E., C. Zannoni, C. Chiccoli, P. Pasini and F. Semeria, Monte Carlo study of the molecular organization in model nematic droplets. Field effects 197 (1992) 224
Berlin, Yu.A., N.I. Chekunaev and V.I. Goldanskii, Dispersive transport model for CO rebinding to heme proteins: non-Arrhenius non-exponential relaxation 197 (1992) 81
Bernardi, F., see I.N. Ragazos 197 (1992) 217
Bertsch, G.F., see K. Yabana 197 (1992) 32
Billing, G.D., see M. Cacciatore 197 (1992) 92
Billing, G.D., see V. Zenevich 197 (1992) 99
Bixon, M., see J. Jortner 197 (1992) 131
Björneholm, O., see A. Nilsson 197 (1992) 12
Bock, C.W., see I.F. Shishkov 197 (1992) 489
Boldyrev, A.I., see V.G. Zakrzewski 197 (1992) 195
Bonnet, P., P. Kedziora and J. Jadzyn, Estimation of molecular anisotropy coefficients by a dielectric method 197 (1992) 273
Bordas, C., M. Broyer, J. Chevaleyre and Ph. Dugourd, Depletion spectroscopy of the Sr_2 $B\,^1\Pi_u \leftarrow X\,^1\Sigma_g^+$ system 197 (1992) 562
Bouman, T.D. and Aa.E. Hansen, NMR shielding calculations including electron correlation: benzene, pyridine and the *n*-azines 197 (1992) 59
Boursier, C., see L. Doyennette 197 (1992) 157

Boxer, S.G., see S. Franzen 197 (1992) 380
Breidung, J., see M. Brumm 197 (1992) 330
Broyer, M., see Ph. Dugourd 197 (1992) 433
Broyer, M., see C. Bordas 197 (1992) 562
Brumm, M., G. Frenking, J. Breidung and W. Thiel, Large discrepancies between the theoretically predicted and experimentally observed vibrational frequencies of $ONCl_2^+$ and $ONClF^+$ 197 (1992) 330
Brutschy, B., see Ch. Riehn 197 (1992) 443
Burgdorff, C., H.-G. Löhmannsröben and R. Reisfeld, A perylene dye in sol–gel matrices: photophysical properties of N,N′-bis(2,5-di-tert-butylphenyl)-3,4:9,10-perylene-bis(dicarboximide) in glasses and thin films 197 (1992) 358
Buthelezi, M.T., see L.V. Natarajan 197 (1992) 145

Cacciatore, M., R. Caporusso and G.D. Billing, Isotope and centrifugal coupling effects on VV and VT rate constants for energy transfer in hydrogen 197 (1992) 92
Caporusso, R., see M. Cacciatore 197 (1992) 92
Carpenter, J.D. and B.S. Ault, Matrix isolation study of the mechanism of the reaction of diborane with ammonia: pyrolysis of the $H_3B{\cdot}NH_3$ adduct 197 (1992) 171
Cassady, C.J., see P. Sharpe 197 (1992) 338
Cavell, R.G. and K.H. Tan, High-resolution gas-phase core-level X-ray photoelectron spectroscopy of PH_3 and H_2S with a synchrotron source: observations of vibrational structure on resolved spin–orbit core (2p) lines 197 (1992) 161
Cederbaum, L.S., see H. Müller 197 (1992) 599
Chałasiński, G., see S.M. Cybulski 197 (1992) 591
Chambaud, G., see H. Müller 197 (1992) 599
Chandrabhas, N., M.N. Shashikala, D.V.S. Muthu, A.K. Sood and C.N.R. Rao, Pressure-induced orientational ordering in C_{60} crystals as revealed by Raman spectroscopy 197 (1992) 319
Chang, R., see L.V. Natarajan 197 (1992) 145
Chang, T.-C., T.-Y. Liu, H.-M. Wu and H.-W. Li, Multiplex picosecond coherent Stokes Raman spectroscopy of pentacene doped in naphthalene 197 (1992) 476
Chapuisat, X., see M.N. Hounkonnou 197 (1992) 626; 635
Chekunaev, N.I., see Yu.A. Berlin 197 (1992) 81
Chen, C., X. Wang, S. Yu, Q. Lu and X. Ma, Collisional quenching of $CH(A^2\Delta)$ at 300 K by O_2, alkane, chloromethane and CS_2 molecules 197 (1992) 286
Cheng, H.-P. and R.L. Whetten, Electronic states and structure of D_2 C_{76} 197 (1992) 44
Chergui, M., C. Crépin, T. Hebert and A. Tramer, Spectroscopy and relaxation paths of higher electronic states of Hg atoms and Hg_2 molecules in rare-gas matrices 197 (1992) 467
Chevaleyre, J., see Ph. Dugourd 197 (1992) 433
Chevaleyre, J., see C. Bordas 197 (1992) 562
Chiccoli, C., see E. Berggren 197 (1992) 224
Cho, S.J., see B.J. Mhin 197 (1992) 77
Chu, S.-I, see G. Yao 197 (1992) 413
Crépin, C., see M. Chergui 197 (1992) 467
Cybulski, S.M. and G. Chałasiński, Perturbation analysis of the supermolecule interaction energy and the basis set superposition error 197 (1992) 591
Czuchaj, E., F. Rebentrost, H. Stoll and H. Preuss, Calculation of the potential energies and transition dipole moments of the CdHg pair 197 (1992) 187

Datta (nee Kundu), B., see D. Mukhopadhyay 197 (1992) 236
Davidson, E.R., H.J. Elston and C.S. Parmenter, Harmonic mode scrambling in *p*-difluorobenzene 197 (1992) 123
D'Mello, M., see O. Ori 197 (1992) 49
Doering, P., see P.R. Levstein 197 (1992) 265
Domenicano, A., see G. Portalone 197 (1992) 482
Dovesi, R., see E. Aprà 197 (1992) 338
Doyennette, L., C. Boursier, J. Ménard and F. Ménard-Bourcin, $\nu_1 \leftrightarrow \nu_3$ Coriolis-assisted intermode transfers in O_3–M gas mixtures (M=O_2 and N_2) in the temperature range 200–300 K from IR double-resonance measurements 197 (1992) 157
Du, W., see D.-A. Klug 197 (1992) 352
Dugourd, Ph., D. Rayane, P. Labastie, B. Vezin, J. Chevaleyre and M. Broyer, Measurements of lithium cluster ionization potentials 197 (1992) 433
Dugourd, Ph., see C. Bordas 197 (1992) 562

Eland, J.H.D., see T. Field 197 (1992) 542
Elston, H.J., see E.R. Davidson 197 (1992) 123
Ewing, G.E., see L.M. Quattrocci 197 (1992) 308

Felder, P., The influence of the molecular beam temperature on the photodissociation of CF_3I at 308 nm 197 (1992) 425
Field, T. and J.H.D. Eland, Light emissions accompanying molecular ionization 197 (1992) 542
Franzen, S., K. Lao and S.G. Boxer, Electric field effects on kinetics of electron transfer reactions: connection between experiment and theory 197 (1992) 380
Frei, G., see C.P.M. Giesbergen 197 (1992) 451
Frenking, G., see M. Brumm 197 (1992) 330
Frenking, G. and A. Gobbi, Comment on "Evaluation of Y- versus linear-delocalization and the role of charge alternation in trimethylenemethane dianion and butadiene dianions" 197 (1992) 335
Frisch, M.J., see P.M.W. Gill 197 (1992) 499
Fujii, M., see Y. Nomura 197 (1992) 405
Fujimura, Y., see Y. Nomura 197 (1992) 405

Geertsen, J., see W.T. Raynes 197 (1992) 516
Geissinger, P. and D. Haarer, Hole-burning in dye-doped rare-gas matrices 197 (1992) 175
Gelessus, A., see D. Bakowies 197 (1992) 324
Giesbergen, C.P.M., R. Sitters, G. Frei, A. Zilian, H.U. Güdel and M. Glasbeek, Excitation localization in mixed rhodium-chelates 197 (1992) 451
Gill, P.M.W., B.G. Johnson, J.A. Pople and M.J. Frisch, The performance of the Becke–Lee–Yang–Parr (B–LYP) density functional theory with various basis sets 197 (1992) 499
Glasbeek, M., see C.P.M. Giesbergen 197 (1992) 451
Gobbi, A., see G. Frenking 197 (1992) 335
Goldanskii, V.I., see Yu.A. Berlin 197 (1992) 81
Gray, S.K., Quantum dynamics of $ArI_2 \rightarrow Ar + I_2$ 197 (1992) 86
Greenlief, C.M., see D.-A. Klug 197 (1992) 352
Griffin, R.G., see J.H. Ok 197 (1992) 389

Groenen, E.J.J., O.G. Poluektov, M. Matsushita, J. Schmidt, J.H. van der Waals and G. Meijer, Triplet excitation of C_{60} and the structure of the crystal at 1.2 K 197 (1992) 314
Güdel, H.U., see C.P.M. Giesbergen 197 (1992) 451
Guerra, M., Unreliable description of dianions by using standard diffuse functions (6-31+G) with the RHF-LCAO method. The case of the relative stability of Y-shaped versus linear-conjugated dianions 197 (1992) 205

Haarer, D., see P. Geissinger 197 (1992) 175
Hanazaki, A., H. Murai and K. Kuwata, Photosensitized triplet state of 1,3-cyclodienes detected by a time-resolved ESR method 197 (1992) 67
Handy, N.C., P.E. Maslen, R.D. Amos and J.S. Andrews, The harmonic frequencies of benzene 197 (1992) 506
Hansen, Aa.E., see T.D. Bouman 197 (1992) 59
Hargittai, I., see G. Portalone 197 (1992) 482
Hargittai, I., see I.F. Shishkov 197 (1992) 489
Hasegawa, S., see S. Hino 197 (1992) 38
Hayashi, T., see H. Yao 197 (1992) 21
Hebert, T., see M. Chergui 197 (1992) 467
Heitele, H., see J. Jortner 197 (1992) 131
Henriksen, N.E., Gaussian wavepacket dynamics and the Landau–Zener model for non-adiabatic transitions 197 (1992) 620
Henzler, M., see G.J. Pietsch 197 (1992) 346
Higuchi, J., see M. Yagi 197 (1992) 457
Hino, S., K. Matsumoto, S. Hasegawa, H. Inokuchi, T. Morikawa, T. Takahashi, K. Seki, K. Kikuchi, S. Suzuki, I. Ikemoto and Y. Achiba, Ultraviolet photoelectron spectra of C_{76} and K_xC_{76} 197 (1992) 38
Hiraoka, K., K. Matsunaga, T. Shoda and H. Takimoto, Reaction of hydrogen atoms with solid unsaturated hydrocarbons at 77 K 197 (1992) 292
Hirota, E., see C. Yamada 197 (1992) 461
Holliday, K., see Yu.V. Romanovskii 197 (1992) 373
Hounkonnou, M.N. and X. Chapuisat, All-particle Hamiltonians for polyatomic molecules. I. Body-fixed frames and coordinates. Classical treatment 197 (1992) 626
Hounkonnou, M.N., M. Sana, O. Kalonda and X. Chapuisat, All-particle Hamiltonians for polyatomic molecules. II. Born–Oppenheimer and other adiabatic approximations 197 (1992) 635

Ichinose, N., Y. Nishimura and I. Yamazaki, Excitation energy relaxation and dimer formation of fluorene in Langmuir–Blodgett monolayer films 197 (1992) 364
Ikemoto, I., see S. Hino 197 (1992) 38
Il'ichev, Yu.V., see V.L. Shapovalov 197 (1992) 303
Imre, D., see J. Zoval 197 (1992) 549
Inokuchi, H., see S. Hino 197 (1992) 38
Ito, M., see Y. Nomura 197 (1992) 405
Iwaki, M., see A. Matsushita 197 (1992) 297
Izawa, Y., see M. Kusaba 197 (1992) 136

Jadzyn, J., see P. Bonnet 197 (1992) 273
Jean, Y.C., see Y. Kobayashi 197 (1992) 141

Jiang, L., see J. Yang 197 (1992) 369
Jin, B.-Y. and R. Silbey, Albrecht theory of resonance Raman scattering: applied to conjugated polymers in the solid-state limit 197 (1992) 117
Johnson, B.G., see P.M.W. Gill 197 (1992) 499
Jørgensen, C.K., see M. Lenglet 197 (1992) 259
Jortner, J., M. Bixon, H. Heitele and M.E. Michel-Beyerle, Long-range electron transfer in solvent-free supermolecules 197 (1992) 131

Kadono, R., see A. Matsushita 197 (1992) 297
Kaiser, E.W., see M.M. Maricq 197 (1992) 149
Kalonda, O., see M.N. Hounkonnou 197 (1992) 635
Kaneshima, T., see M. Yagi 197 (1992) 457
Kawamura, W., see M. Kusaba 197 (1992) 136
Kedziora, P., see P. Bonnet 197 (1992) 273
Kikuchi, K., see S. Hino 197 (1992) 38
Kikuchi, O., see K. Morihashi 197 (1992) 200
Kim, K.S., see B.J. Mhin 197 (1992) 77
Kink, R., see M. Kirm 197 (1992) 17
Kirm, M., R. Kink and H. Niedrais, VUV spectroscopy of colour centers in krypton single crystals 197 (1992) 17
Klein, M.L., see D. Scharf 197 (1992) 231
Kleindienst, H., see A. Lüchow 197 (1992) 105
Klug, D.-A., W. Du and C.M. Greenlief, Identification of GeH_3 on Si(100)-(2×1) by the decomposition of digermane 197 (1992) 352
Kobayashi, Y., Q. Zhang, T. Mahmood, S.Y. Shen and Y.C. Jean, Anomalous magnetic quenching of ortho-positronium in a solution of nitrobenzene in isooctane 197 (1992) 141
Köhler, U., see G.J. Pietsch 197 (1992) 346
Kondow, T., see T. Tsukuda 197 (1992) 438
Köppel, H., see H. Müller 197 (1992) 599
Kresin, V.Z. and W.A. Lester Jr., A quantum-mechanical model of heterogeneous catalysis 197 (1992) 1
Krouglov, V.O., see A.V. Luzanov 197 (1992) 614
Kusaba, M., N. Nakashima, W. Kawamura, Y. Izawa and C. Yamanaka, Higher yield of photoreduction from Eu^{3+} to Eu^{2+} with shorter wavelength irradiation 197 (1992) 136
Kusunoki, M., A new paramagnetic hyperfine structure effect in manganese tetramers. The origin of "multiline" EPR signals from an S_2 state of a photosynthetic water-splitting enzyme 197 (1992) 108
Kuwata, K., see A. Hanazaki 197 (1992) 67

Labastie, P., see Ph. Dugourd 197 (1992) 433
Lahmann, Ch., see Ch. Riehn 197 (1992) 443
Langhoff, S.R., see C.W. Bauschlicher Jr. 197 (1992) 213
Lao, K., see S. Franzen 197 (1992) 380
Lee, K., see B.J. Mhin 197 (1992) 77
Lee, S., see B.J. Mhin 197 (1992) 77
Lee, S.-L., Y.-L. Luo, C. Li, L.-J. Leu and J.-C. Wu, Two-dimensional topologies and clustering on zeolite surfaces. A Monte Carlo study 197 (1992) 607
Lenglet, M. and C.K. Jørgensen, Influence of the antiferromagnetic interaction associated with octahedral Fe^{3+}–Ni^{2+} on the optical spectra in oxides 197 (1992) 259

Lester Jr., W.A., see V.Z. Kresin 197 (1992) 1
Leu, L.-J., see S.-L. Lee 197 (1992) 607
Levstein, P.R., P. Doering and H. van Willigen, FT-EPR study of electron spin polarization in the acetone ketyl radical formed by photolysis of tert-butylperoxide in 2-propanol 197 (1992) 265
Li, C., see S.-L. Lee 197 (1992) 607
Li, H.-W., see T.-C. Chang 197 (1992) 476
Li, J. and P. Pyykkö, Relativistic pseudo-potential analysis of the weak Au(I)...Au(I) attraction 197 (1992) 586
Li, T., see J. Yang 197 (1992) 369
Liedl, K.R. and B.M. Rode, Ab initio calculations concerning the reaction mechanism of the copper(II) catalyzed glycine condensation in aqueous sodium chloride solution 197 (1992) 181
Lim, L.R., see L.V. Natarajan 197 (1992) 145
Lindinger, W., see V. Zenevich 197 (1992) 99
Liu, T.-Y., see T.-C. Chang 197 (1992) 476
Löhmannsröben, H.-G., see C. Burgdorff 197 (1992) 358
Lu, Q., see C. Chen 197 (1992) 286
Lüchow, A. and H. Kleindienst, An efficient basis selection procedure for the reduction of the dimension in large Hylleraas-CI calculations 197 (1992) 105
Luna, A., O. Mó and M. Yáñez, A G1 ab initio MO study of the distonic ions H_2C–O–Si^+ and their isomers 197 (1992) 581
Luo, Y.-L., see S.-L. Lee 197 (1992) 607
Luzanov, A.V., A.L. Wulfov and V.O. Krouglov, A wavefunction operator approach to the full-CI problem 197 (1992) 614

Ma, N.L., B.J. Smith and L. Radom, Refined calculations of the structures and stabilities of the formyl (HCO^+) and isoformyl (COH^+) cations 197 (1992) 573
Ma, X., see C. Chen 197 (1992) 286
Mahmood, T., see Y. Kobayashi 197 (1992) 141
Maricq, M.M., J.J. Szente and E.W. Kaiser, A kinetic study of the CF_3CFH recombination and O_2 addition reactions 197 (1992) 149
Mårtensson, N., see A. Nilsson 197 (1992) 12
Martyna, G.J., see D. Scharf 197 (1992) 231
Maslen, P.E., see N.C. Handy 197 (1992) 506
Matsumoto, K., see S. Hino 197 (1992) 38
Matsunaga, K., see K. Hiraoka 197 (1992) 292
Matsuo, K., see M. Yagi 197 (1992) 457
Matsushita, A., R. Kadono, K. Nishiyama, Y. Miyake, A. Nakao, J. Takahashi, M. Iwaki and K. Nagamine, Muonium formation on powdered platinum surfaces 197 (1992) 297
Matsushita, M., see E.J.J. Groenen 197 (1992) 314
Meech, S.R., see M.J.E. Morgenthaler 197 (1992) 537
Meijer, G., see E.J.J. Groenen 197 (1992) 314
Ménard, J., see L. Doyennette 197 (1992) 157
Ménard-Bourcin, F., see L. Doyennette 197 (1992) 157
Meth, J.S., H. Vanherzeele and Y. Wang, Dispersion of the third-order optical nonlinearity of C_{60}. A third-harmonic generation study 197 (1992) 26
Mhin, B.J., S. Lee, S.J. Cho, K. Lee and K.S. Kim, $Zn(H_2O)_6^{2+}$ is very stable among aqua-Zn(II) ions 197 (1992) 77

Michel-Beyerle, M.E., see J. Jortner 197 (1992) 131
Miller, W.H., see G. Stock 197 (1992) 396
Miyake, Y., see A. Matsushita 197 (1992) 297
Mó, O., see A. Luna 197 (1992) 581
Molero, M., see C.W. Outhwaite 197 (1992) 643
Morgenthaler, M.J.E., S.R. Meech and K. Yoshihara, The inhomogeneous broadening of the electronic spectra of dyes in glycerol solution. A time-resolved fluorescence study 197 (1992) 537
Morihashi, K., T. Nakano and O. Kikuchi, Isotropic and anisotropic hyperfine coupling constants of ^{13}C and ^{1}H for the oxirane and oxallyl radical cations. Theoretical predictions with the ab initio configuration interaction method 197 (1992) 200
Morikawa, T., see S. Hino 197 (1992) 38
Mukherjee, D., see D. Mukhopadhyay 197 (1992) 236
Mukhopadhyay, D., B. Datta (nee Kundu) and D. Mukherjee, The construction of a size-extensive intermediate Hamiltonian in a coupled-cluster framework 197 (1992) 236
Müller, H., H. Köppel, L.S. Cederbaum, T. Schmelz, G. Chambaud and P. Rosmus, Vibronic coupling effects in the ozone cation 197 (1992) 599
Murai, H., see A. Hanazaki 197 (1992) 67
Muthu, D.V.S., see N. Chandrabhas 197 (1992) 319

Nagamine, K., see A. Matsushita 197 (1992) 297
Nakai, H., see H. Nakatsuji 197 (1992) 339
Nakano, T., see K. Morihashi 197 (1992) 200
Nakao, A., see A. Matsushita 197 (1992) 297
Nakashima, K., M. Taniguchi and T. Ogawa, Electron impact dissociation of hydrogen molecule. Time-resolved measurements of the Balmer line 197 (1992) 72
Nakashima, N., see M. Kusaba 197 (1992) 136
Nakatsuji, H. and H. Nakai, Potential energy curves of dioxygen anion species, O_2^- and O_2^{2-} 197 (1992) 339
Natarajan, L.V., M.T. Buthelezi, L.R. Lim and R. Chang, Singlet quenching of chlorophyll **a** and pheophytin **a** by 2,4,7-trinitro-9-(fluoroenylidene)malononitrile: influence of ground-state complexation 197 (1992) 145
Nemes, L., see J. Schleipen 197 (1992) 165
Niedrais, H., see M. Kirm 197 (1992) 17
Nilsson, A., O. Björneholm, E.O.F. Zdansky, H. Tillborg, N. Mårtensson, J.N. Andersen and R. Nyholm, Photoabsorption and the unoccupied partial density of states of chemisorbed molecules 197 (1992) 12
Nishimura, Y., see N. Ichinose 197 (1992) 364
Nishiyama, K., see A. Matsushita 197 (1992) 297
Nomura, Y., Y. Fujimura, M. Takahashi, M. Fujii and M. Ito, Theoretical and experimental study on the profile of pump–probe time-resolved intensity correlation spectroscopy with incoherent light beams 197 (1992) 405
Nyholm, R., see A. Nilsson 197 (1992) 12

Oddershede, J., see W.T. Raynes 197 (1992) 516
Ogawa, T., see K. Nakashima 197 (1992) 72
Ok, J.H., R.G.S. Spencer, A.E. Bennett and R.G. Griffin, Homonuclear correlation spectroscopy in rotating solids 197 (1992) 389

Olivucci, M., see I.N. Ragazos 197 (1992) 217
Ori, O. and M. D'Mello, A topological study of the structure of the C_{76} fullerene 197 (1992) 49
Outhwaite, C.W. and M. Molero, Effective interaction between colloidal particles using a symmetric Poisson–Boltzmann theory 197 (1992) 643

Parmenter, C.S., see E.R. Davidson 197 (1992) 123
Partridge, H., see C.W. Bauschlicher Jr. 197 (1992) 213
Pasini, P., see E. Berggren 197 (1992) 224
Pautmeier, L.Th., J.C. Scott and L.B. Schein, Activation energies of charge transport in doubly-doped polymers: polarons and disorder 197 (1992) 568
Personov, R.I., see Yu.V. Romanovskii 197 (1992) 373
Persson, B.N.J., Adsorbate-induced surface resistivity and nonlocal optics 197 (1992) 7
Pietsch, G.J., U. Köhler and M. Henzler, Direct observation of silicon surface etching by water with scanning tunneling microscopy 197 (1992) 346
Poluektov, O.G., see E.J.J. Groenen 197 (1992) 314
Pople, J.A., see P.M.W. Gill 197 (1992) 499
Portalone, G., G. Schultz, A. Domenicano and I. Hargittai, Molecular structure and ring distortion of phenol. An electron diffraction study 197 (1992) 482
Preuss, H., see E. Czuchaj 197 (1992) 187
Pyykkö, P., see J. Li 197 (1992) 586
Pyżuk, W., see S.J. Rzoska 197 (1992) 277

Quattrocci, L.M. and G.E. Ewing, The structural determination of monolayer CH_2D_2 adsorbed on NaCl(100) by infrared spectroscopy 197 (1992) 308

Rademann, K., see M. Ruppel 197 (1992) 280
Radom, L., see N.L. Ma 197 (1992) 573
Ragazos, I.N., M.A. Robb, F. Bernardi and M. Olivucci, Optimization and characterization of the lowest energy point on a conical intersection using an MC-SCF Lagrangian 197 (1992) 217
Raghavachari, K. and C.M. Rohlfing, Ground state of $C_{70}O$: oxygen bridging at the equatorial belt 197 (1992) 495
Rancourt, P., see E.E. Aubanel 197 (1992) 419
Rao, C.N.R., see N. Chandrabhas 197 (1992) 319
Rayane, D., see Ph. Dugourd 197 (1992) 433
Raynes, W.T., J. Geertsen and J. Oddershede, Unexpected differential sensitivity of nuclear spin–spin coupling constants to bond stretching in methane 197 (1992) 516
Rebentrost, F., see E. Czuchaj 197 (1992) 187
Reisfeld, R., see C. Burgdorff 197 (1992) 358
Riehn, Ch., Ch. Lahmann, B. Wassermann and B. Brutschy, IR depletion spectroscopy. A method for characterizing a microsolvation environment 197 (1992) 443
Robb, M.A., see I.N. Ragazos 197 (1992) 217
Rode, B.M., see K.R. Liedl 197 (1992) 181
Roetti, C., see E. Aprà 197 (1992) 338
Rohlfing, C.M., see K. Raghavachari 197 (1992) 495
Romanovskii, Yu.V., R.I. Personov, A.D. Samoilenko, K. Holliday and U.P. Wild, Concentration effects on spectra and persistent hole-burning of porphyrin-doped Langmuir–Blodgett films 197 (1992) 373

Rosmus, P., see H. Müller 197 (1992) 599
Ruppel, M. and K. Rademann, Abundance distributions and ionization potentials of neutral cadmium clusters Cd_x ($x \lesssim 50$) 197 (1992) 280
Rzoska, S.J., J. Zioło and W. Pyżuk, An influence of the orientation mechanism on the value of the nonlinear dielectric effect for the isotropic–nematic transition 197 (1992) 277

Samoilenko, A.D., see Yu.V. Romanovskii 197 (1992) 373
Sana, M., see M.N. Hounkonnou 197 (1992) 635
Scharf, D., G.J. Martyna and M.L. Klein, Isotope effect on the melting of para-hydrogen and ortho-deuterium clusters 197 (1992) 231
Schein, L.B., see L.Th. Pautmeier 197 (1992) 568
Schleipen, J., J.J. ter Meulen, L. Nemes and M. Vervloet, New vibronic states of NH_2 observed in ammonia photolysis 197 (1992) 165
Schleyer, P.v.R., see V.G. Zakrzewski 197 (1992) 195
Schmelz, T., see H. Müller 197 (1992) 599
Schmidt, J., see E.J.J. Groenen 197 (1992) 314
Schultz, G., see G. Portalone 197 (1992) 482
Scott, J.C., see L.Th. Pautmeier 197 (1992) 568
Seki, K., see S. Hino 197 (1992) 38
Semeria, F., see E. Berggren 197 (1992) 224
Shapovalov, V.L. and Yu.V. Il'ichev, Ultrapure water conductance enhanced in the presence of Langmuir monolayers. Critical study 197 (1992) 303
Sharpe, P. and C.J. Cassady, Gas-phase reactions of silver cluster ions produced by fast atom bombardment, Chem. Phys. Letters 191 (1992) 111. Erratum 197 (1992) 338
Shashikala, M.N., see N. Chandrabhas 197 (1992) 319
Shen, J., see M.L. Baesso 197 (1992) 255
Shen, S.Y., see Y. Kobayashi 197 (1992) 141
Shishkov, I.F., L.V. Vilkov, C.W. Bock and I. Hargittai, Molecular structure of ethyl nitrate from gas-phase electron diffraction and ab initio MO calculations 197 (1992) 489
Shoda, T., see K. Hiraoka 197 (1992) 292
Silbey, R., see B.-Y. Jin 197 (1992) 117
Sitters, R., see C.P.M. Giesbergen 197 (1992) 451
Smith, B.J., see N.L. Ma 197 (1992) 573
Snook, R.D., see M.L. Baesso 197 (1992) 255
Sodupe, M., see C.W. Bauschlicher Jr. 197 (1992) 213
Sood, A.K., see N. Chandrabhas 197 (1992) 319
Spencer, R.G.S., see J.H. Ok 197 (1992) 389
Stefanovich, E., see E. Aprà 197 (1992) 338
Stock, G. and W.H. Miller, A classical model for time- and frequency-resolved spectroscopy of nonadiabatic excited-state dynamics 197 (1992) 396
Stoll, H., see E. Czuchaj 197 (1992) 187
Strizhak, P.E., The Lotka–Volterra system's Hamiltonian structure. Classical and quantum properties 197 (1992) 243
Šurkus, A.A., Long-range properties of the generalized potential energy function for diatomic molecules. Application to the ground state of SiF^+ 197 (1992) 530
Suzuki, S., see S. Hino 197 (1992) 38
Szente, J.J., see M.M. Maricq 197 (1992) 149

Takahashi, J., see A. Matsushita 197 (1992) 297
Takahashi, M., see Y. Nomura 197 (1992) 405
Takahashi, T., see S. Hino 197 (1992) 38
Takimoto, H., see K. Hiraoka 197 (1992) 292
Tan, K.H., see R.G. Cavell 197 (1992) 161
Tang, D., see J. Yang 197 (1992) 369
Taniguchi, M., see K. Nakashima 197 (1992) 72
Ter Meulen, J.J., see J. Schleipen 197 (1992) 165
Thantu, N., see P.M. Weber 197 (1992) 556
Thiel, W., see D. Bakowies 197 (1992) 324
Thiel, W., see M. Brumm 197 (1992) 330
Tillborg, H., see A. Nilsson 197 (1992) 12
Torii, M., see M. Yagi 197 (1992) 457
Tramer, A., see M. Chergui 197 (1992) 467
Traytak, S.D., The diffusive interaction in diffusion-limited reactions: the steady-state case 197 (1992) 247
Tsukuda, T. and T. Kondow, Intensity enhancement in the size distributions of acrylate cluster anions 197 (1992) 438

Van der Waals, J.H., see E.J.J. Groenen 197 (1992) 314
Vanherzeele, H., see J.S. Meth 197 (1992) 26
Van Willigen, H., see P.R. Levstein 197 (1992) 265
Vervloet, M., see J. Schleipen 197 (1992) 165
Vezin, B., see Ph. Dugourd 197 (1992) 433
Vilkov, L.V., see I.F. Shishkov 197 (1992) 489
Von Niessen, W., see V.G. Zakrzewski 197 (1992) 195

Wadehra, J.M., see D.E. Atems 197 (1992) 525
Wang, R., see J. Yang 197 (1992) 369
Wang, X., see C. Chen 197 (1992) 286
Wang, Y., see J.S. Meth 197 (1992) 26
Wassermann, B., see Ch. Riehn 197 (1992) 443
Weber, P.M. and N. Thantu, Photoionization via transient states. A coherent probe of molecular eigenstates 197 (1992) 556
Whetten, R.L., see H.-P. Cheng 197 (1992) 44
Wild, U.P., see Yu.V. Romanovskii 197 (1992) 373
Wu, H.-M., see T.-C. Chang 197 (1992) 476
Wu, J.-C., see S.-L. Lee 197 (1992) 607
Wulfov, A.L., see A.V. Luzanov 197 (1992) 614

Yabana, K. and G.F. Bertsch, Forbidden transitions in the absorption spectra of C_{60} 197 (1992) 32
Yagi, M., T. Kaneshima, M. Torii, K. Matsuo and J. Higuchi, Effects of counterion on the tiplet states of zinc(II) complexes with 1,10-phenanthroline and 2,9-dimethyl-1,10-phenanthroline 197 (1992) 457
Yamada, C. and E. Hirota, Infrared diode laser spectroscopy of aluminum monohydride. The determination of mass scaling coefficients 197 (1992) 461
Yamanaka, C., see M. Kusaba 197 (1992) 136
Yamazaki, I., see N. Ichinose 197 (1992) 364
Yáñez, M., see A. Luna 197 (1992) 581

Yang, J., R. Wang, D. Tang, L. Jiang and T. Li, Pyroelectric response in polar azobenzene compounds Langmuir–Blodgett films 197 (1992) 369
Yao, G. and S.-I Chu, Laser-induced molecular stabilization and trapping and chemical bond hardening in intense laser fields 197 (1992) 413
Yao, H. and T. Hayashi, Quantum-confined copper(I) bromide microcrystallites embedded in polymethyl methacrylate matrices 197 (1992) 21
Yoshihara, K., see M.J.E. Morgenthaler 197 (1992) 537
Yu, S., see C. Chen 197 (1992) 286

Zakrzewski, V.G., W. von Niessen, A.I. Boldyrev and P.v.R. Schleyer, Green function calculations of ionization energies of hyperalkali molecules 197 (1992) 195
Zannoni, C., see E. Berggren 197 (1992) 224
Zdansky, E.O.F., see A. Nilsson 197 (1992) 12
Zenevich, V., W. Lindinger and G.D. Billing, Semi-classical and classical mechanical calculations of cross sections for vibrational relaxation of O_2^+ colliding with Kr 197 (1992) 99
Zhang, Q., see Y. Kobayashi 197 (1992) 141
Zilian, A., see C.P.M. Giesbergen 197 (1992) 451
Zioło, J., see S.J. Rzoska 197 (1992) 277
Zoval, J., D. Imre, P. Ashjian and V.A. Apkarian, Photodissociation dynamics of H_2S isolated in krypton matrices 197 (1992) 549